



FRI Surveillance Among DoD Beneficiaries

Operational Infectious Diseases
Naval Health Research Center, San Diego, CA

OPERATIONAL INFECTIOUS DISEASES



NAVAL HEALTH RESEARCH CENTER

The Flu Rate for
WEEK 21 is:

0%

Among FRI Samples
(0/7)

Weeks 40 through 21
Flu +/- Total sampled:

Total

71/664

Lovell FHCC

17/152

NMCS

13/133

NBHCKM

26/177

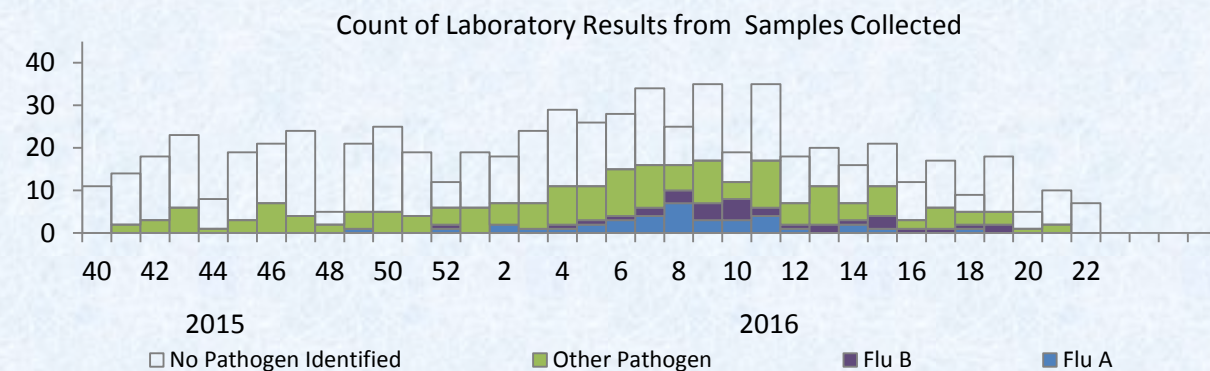
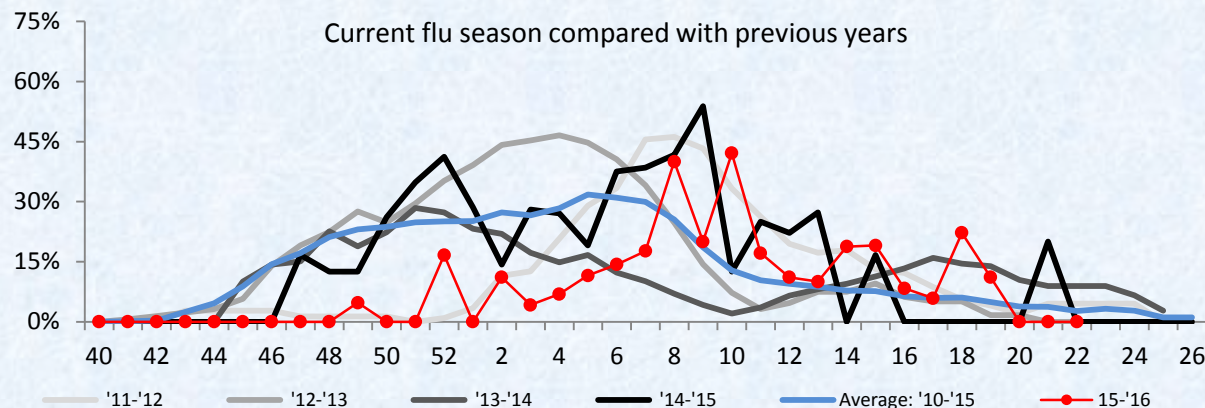
NH Camp Pendelton

15/183

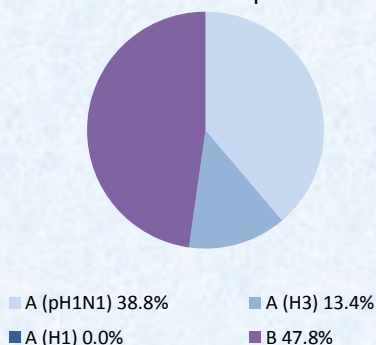
NMC Yokosuka

0/19

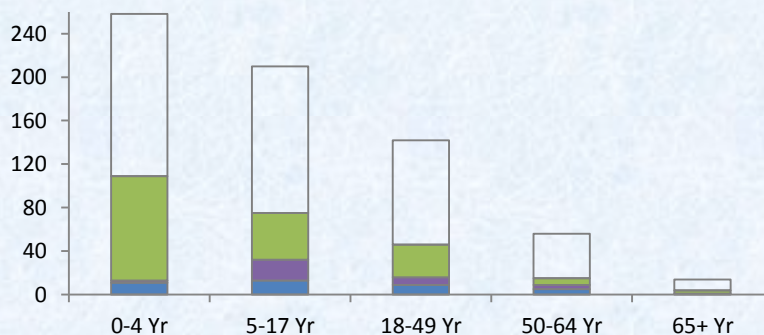
DoD Beneficiaries – Influenza Rates Through Week 21 (through 23 May 2016)



Distribution of Subtypes Among Flu Positive Samples



Age of Study Enrollees with Laboratory Results



Scope of the Report

This report represents cumulative influenza data generated under this protocol through 23 May, 2016 (week 21). Number of samples collected and laboratory confirmed influenza cases are charted over time by week of collection. A positive case is defined as a study subject who provided a specimen that tested positive on an RT-PCR assay or by viral culture for influenza A or B.

Scope of the Study

This document reports on an FRI (Febrile Respiratory Illness) surveillance study conducted at the Lovell Federal Health Care Center Great Lakes (FHCC), Naval Hospital Camp Pendelton and Naval Medical Center San Diego (NMCS), Naval Branch Health Clinic Kearny Mesa (NBHCKM) and Pacific Rim Surveillance Hub-U.S. Naval Medical Center (NMC) Yokosuka, Japan. The study was initiated in November 2007. The study operates under IRB-approved protocol # NHRC.2007.0024. Subject enrollment criteria include: (1) age >6 months, (2) is a patient at the clinic in which subject is recruited, (3) meets case definition. Case definition for FRI (febrile respiratory illness): (1) subjective fever or temperature $\geq 100.5^{\circ}\text{F}$ and (2) cough or sore throat. Subjects provide a nasal or nasopharyngeal swab specimen. NHRC performs an RT-PCR assay and viral culture for influenza A, B, adenovirus and several other pathogens. Viral culture is also performed. NHRC is collaborating with developers of new rapid flu diagnostics in similar protocols with an aim to facilitate the availability of better FDA-approved point-of-care influenza assays. These studies are conducted under separate protocols, but reference data testing may be incorporated into issues of this surveillance report.

Contact Information

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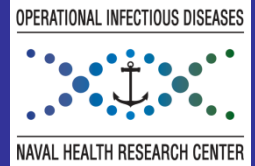
Christian Hansen



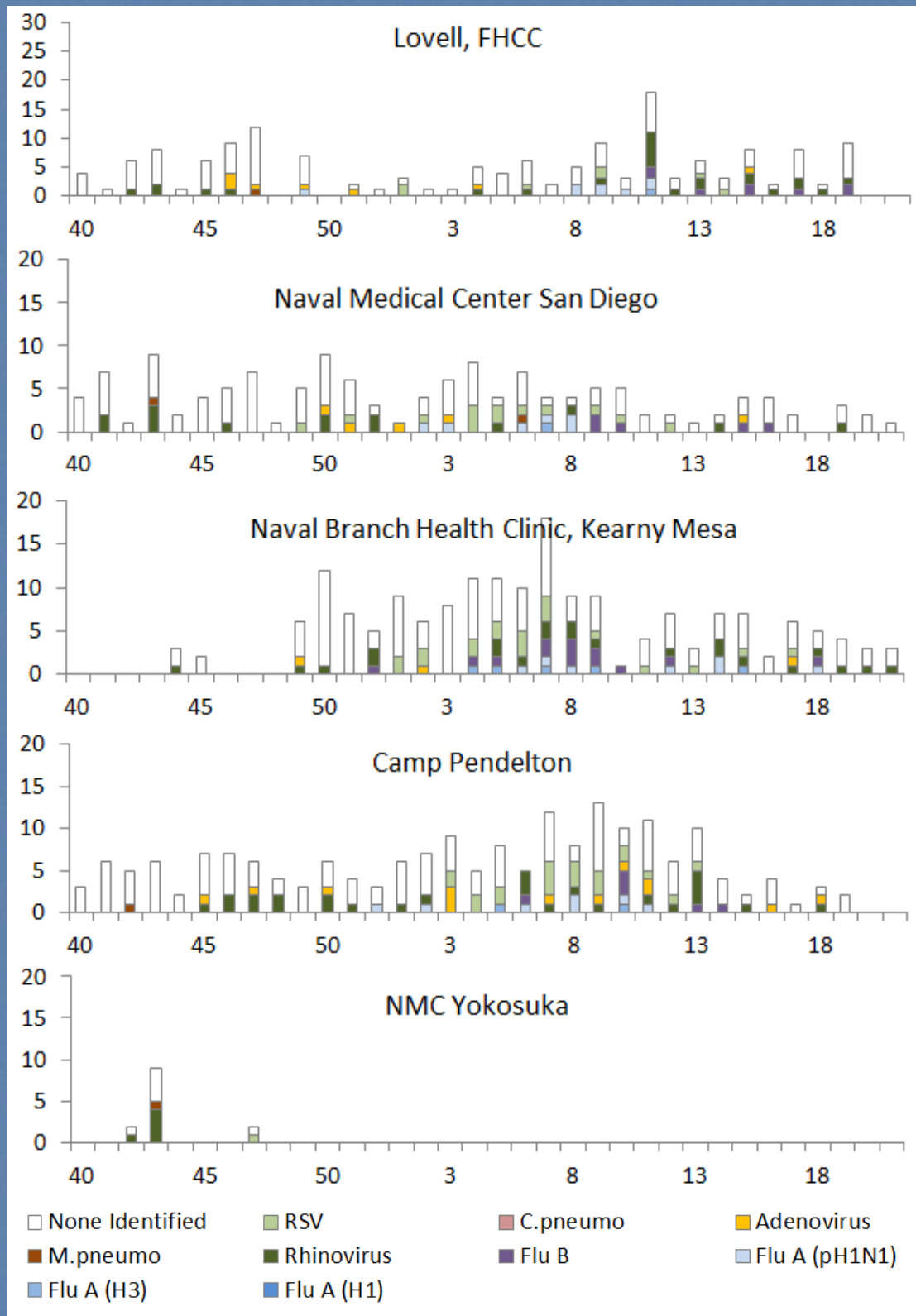


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Laboratory Results by Surveillance Site



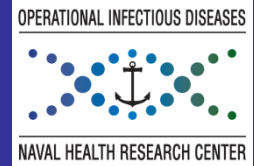
US Military Treatment Facilities: Laboratory identified pathogens among FRI Beneficiary surveillance participants.



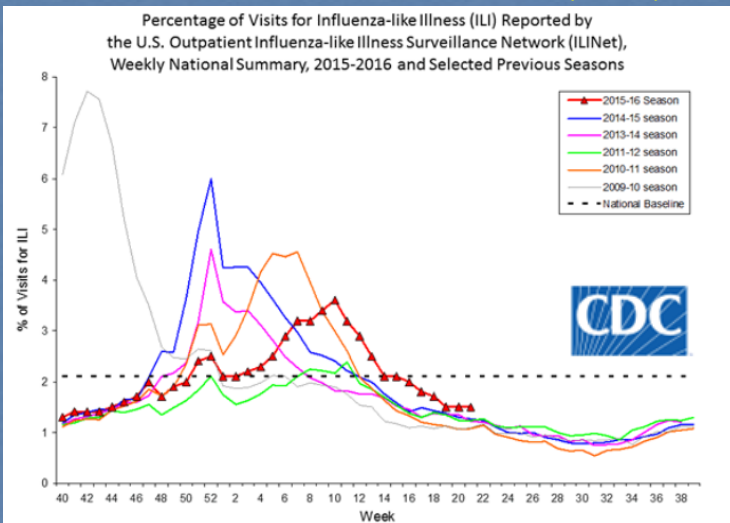


FRI Surveillance Among DoD Beneficiaries

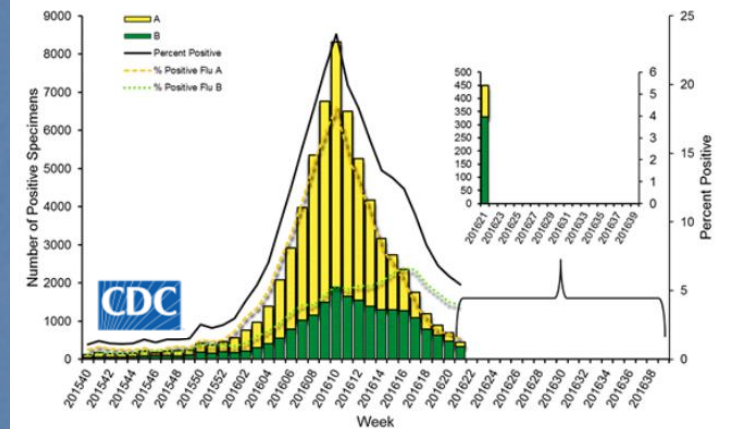
Other National and Local Civilian Surveillance Activities



US Nationwide: Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance network (ILINet)



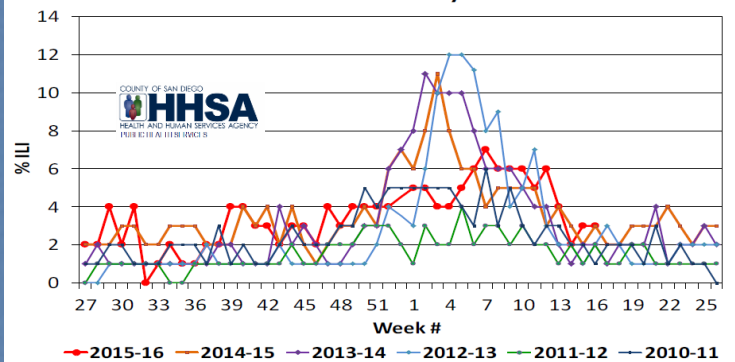
Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2015-2016 Season



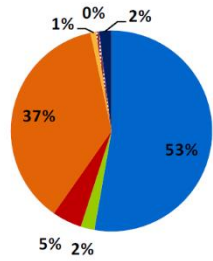
Centers for Disease Control and Prevention 1600 Clifton Road Atlanta, GA 30329-4027 USA, 1-800-CDC-INFO (800-232-4636)

San Diego County

Figure 1. Percent of Emergency Department Visits for Influenza-like Illness by Week and FY



Virus Characteristics



Current Week 16 (ending 4/23/2016)

- 135 new influenza detections reported (note that 60 cases were from a batch of delayed case reports)
- 3% influenza-like-illness (ILI) among emergency department visits
- 0 influenza-related deaths reported this week
- 5% of deaths registered with pneumonia and/or influenza

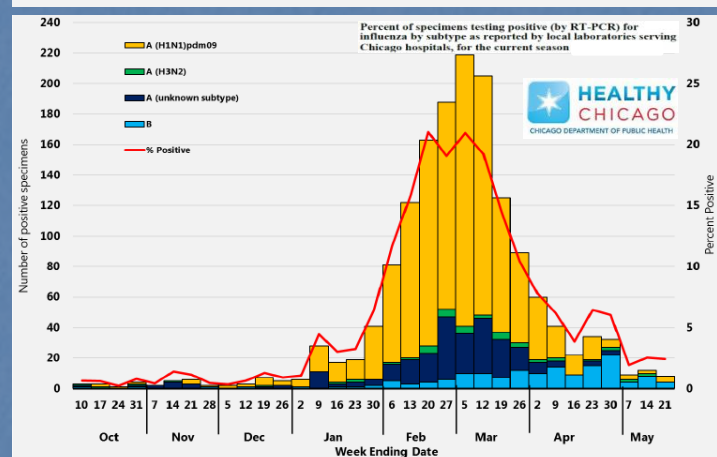
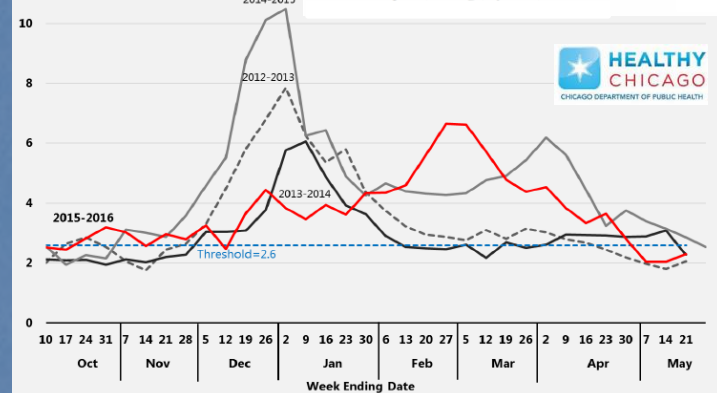
- Influenza A
- Influenza B/Yamagata
- Influenza A (H3) Seasonal
- Influenza A (H1N1)pdm09
- Influenza B
- Influenza B/Victoria
- Influenza A/B



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City of Chicago

Percent of emergency department visits attributed to influenza-like illness based on manual reporting as determined by individual hospitals, Chicago, by week, for the current season



CHICAGO DEPARTMENT OF PUBLIC HEALTH

Percent of emergency department visits attributed to influenza-like illness based on manual reporting as determined by individual hospitals, Chicago, by week